ATTORNEY'S DOCKET NO. TRANSMITTAL LETTER TO THE UNITED STATES 1022702-000315 DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION No. (If known) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** 10/592.927 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/FR 2005/000593 11 March 2005 17 March 2004 TITLE OF INVENTION COMPOSITION BASED ON ZIRCONIUM, CERIUM AND TIN OXIDES, PREPARATION AND USE AS CATALYST APPLICANT(S) FOR DO/EO/US Alain DEMOURGUES and Stephan VERDIER Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. \boxtimes 2. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). b. 🔲 has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) а. П is attached hereto. b. □ has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) 7. a. 🗌 are attached hereto (required only if not communicated by the International Bureau). П have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. d. 🔲 have not been made and will not be made. 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). An English language translation of the annexes of the International Preliminary Examination Report under 10. □ PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 11. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is 12. included. 13. A preliminary amendment. 14. An Application Data Sheet under 37 CFR 1.76. 15. \square A substitute specification. 16. □ A power of attorney and/or change of address letter. 17. 🔲 A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 18. □ A second copy of the published International Application under 35 U.S.C. 154(d)(4), 19. A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4),

Other items or information:

20. □

U.S. APPLICATION NO. (If known)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NO.
10/592,927	PCT/FR 2005/000593	1022702-000315

21. ☐ Basic National fee (37 CFR 1.492(a)) Examination fee (37 CFR 1.492(a)) Examination fee (37 CFR 1.492(a)) He written opinion prepared by IPEA/US indicates all claims satisfy provisions of control (643) \$ 0 Control (643)	The follo	he following fees have been submitted:								CALCULATIONS	PTO USE ONLY
If the written opinion prepared by ISAUS or the international preliminary examination report prepared by PEAUS indicates all claims satisfy provisions of PCT Article 33(1)-(4) All other situations					\$ 0						
exemination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-4(1) 23.	22.	Examina	ation	fee (37 C							
PCT Article 33(1)-(4)		If the written opinion prepared by ISA/US or the international preliminary									
All other situations											
23.		· · · · · · · · · · · · · · · · · · ·									
If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article (1640) \$ 0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority (1641) \$ 100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB (1642) \$ 410 All other situations 1647 CFR 1.821	00 []				400(1))			(103,	3) \$ 210	\$ 0	
report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article (1340) \$ 0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB (1642) \$ 100 All other situations (1632) \$ 510 \$ 0 TOTAL OF 21, 22 AND 23 =	23. 📋		•								
Salario (4) Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority (1641) \$ 100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB (1642) \$ 10 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB (1642) \$ 10 International Search Report prepared by a International Applicational Search Report Prepared By a International Application Search Report Prepared By a International Applicati		report pr	nuen repai	opinion o ed by IPf							
to the USPTO as an International Searching Authority (1641) \$ 100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB (1642) \$ 410 All other situations (1632) \$ 510 \$ 0 TOTAL OF 21, 22 AND 23 =		33(1)-(4) (1640) \$ 0									
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB (1942) \$ 410 and the US by the IB (1942) \$ 410 and ISBN 1940 and ISBN 19		Search fee (37 CFR 1.445(a)(2)) has been paid on the international application									
to the Office or previously communicated to the US by the IB (1642) \$ 410 All other situations (1632) \$ 510 TOTAL OF 21, 22 AND 23 =										***************************************	
Additional fee for specifications and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(n)). The fee is \$ 260 (1681) for each additional 50 sheets of paper or fraction thereof. Total Sheets											
Additional fee for specifications and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$ 280 (1681) for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Extra Sheets Extra Sheets Rumber of each additional 50 or fraction RATE Paper of the continuous				-	•	·		•	2) \$ 510	\$ 0	
Additional fee for specifications and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or (e) or (computer program listing in an electronic medium) (37 CFR 1.492(f)). The fee is \$ 250 (1681) for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of seah additional 50 sheets of paper or fraction thereof. RATE Number Number of seah additional 50 sheets of paper or fraction thereof. Number of seah additional 50 or fraction x \$ 260 \$ 0		TOTAL	OF 2	1. 22 AN	D 23 =					· · · · · · · · · · · · · · · · · · ·	
Cexcluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The s s 260 (1681) for each additional 50 sheets of paper or fraction thereof.						s and drawings filed in pa	aper o	ver 100 she	eets	V O	
The fee is \$ 250 (1681) for each additional 50 sheets of paper or fraction thereof.	[7]	(excludir	ng se	equence I	isting in	compliance with 37 CFR	1.821	(c) or (e) or			
Total Sheets									thoroof		
100 = 0 150 = 0 150 = 0 150 = 0 150 = 0 150 = 0 150 = 0 150 = 0 150 = 0 150	Total Ch								i inereor.		
Surcharge of \$ 130 (1617) for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). \$ 130				1		round up to a whole number)					
CLAIMS			_		_			•		\$ 0	
CLAIMS NUMBER FILED NUMBER EXTRA RATE	decla	narge or \$ aration after	the	date of cor	urnisning nmencen	any of the search fee, examenent of the national stage (3)	nination 7 CFR	1 tee, or the c 1.492(h)).	atn or	\$ 130	
Independent Claims 0 -3 = 0 x\$210 (1614) \$ 0 MULTIPLE DEPENDENT CLAIM(S) (if applicable) +\$370 (1616) \$ 0 TOTAL OF ABOVE CALCULATIONS = \$ 130 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2 0 SUBTOTAL = \$ 130 Processing fee of \$130 (1618) for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + 0 TOTAL NATIONAL FEE = \$ 130 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).\$40 per property + 0 TOTAL FEES ENCLOSED = \$ 130 Amount to be refunded: \$ Amount to be charged: \$ Amount to be charged: \$ Amount to be charged: \$ C. A check in the amount of											
Independent Claims 0 -3 = 0 x\$210 (1614) \$ 0 MULTIPLE DEPENDENT CLAIM(S) (if applicable) +\$370 (1616) \$ 0 TOTAL OF ABOVE CALCULATIONS = \$130 Applicant claims small entity status See 37 CFR 1.27. Fees above are reduced by 1/2 0 SUBTOTAL = \$130 Processing fee of \$130 (1618) for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + 0 TOTAL NATIONAL FEE = \$130 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).\$40 per property + 0 TOTAL FEES ENCLOSED = \$130 Amount to be refunded: \$ Amount to be refunded: \$ Amount to be charged: \$ a. A check in the amount of to cover the above fees is enclosed. Please charge my Deposit Account No. 02-4800 in the amount of \$130 to cover the above fees. A duplicate copy overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. C. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716	Total cla	Total claims 0 - 20 = 0				0	x \$ 50 (1615)			\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$ 370 (1616) \$ 0 TOTAL OF ABOVE CALCULATIONS = \$ 130 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2 0 SUBTOTAL = \$ 130 Processing fee of \$ 130 (1618) for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + 0 TOTAL NATIONAL FEE = \$ 130 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).\$ 40 per property + 0 TOTAL FEES ENCLOSED = \$ 130 Amount to be refunded: \$ Amount to be charged: \$ a. A check in the amount of to cover the above fees is enclosed. Please charge my Deposit Account No. 02-4800 in the amount of \$ 130 to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. C. A check in the amount of to credit card. Form PTO-2038 is attached. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716	Independ	dent Claims	s	0	- 3 =	0	x \$ 2				
TOTAL OF ABOVE CALCULATIONS = \$ 130 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2 0 SUBTOTAL = \$ 130 Processing fee of \$ 130 (1618) for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$ 130 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).\$ 40 per property	· · · · · · · · · · · · · · · · · · ·					icable)	 				
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2 SUBTOTAL = \$ 130 Processing fee of \$ 130 (1618) for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + 0 TOTAL NATIONAL FEE = \$ 130 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).\$ 40 per property + 0 TOTAL FEES ENCLOSED = \$ 130 Amount to be refunded: \$ Amount to be charged: \$ a. A check in the amount of									<u> </u>		
SUBTOTAL = \$ 130 Processing fee of \$ 130 (1618) for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + 0 TOTAL NATIONAL FEE = \$ 130 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).\$ 40 per property + 0 TOTAL FEES ENCLOSED = \$ 130 Amount to be refunded: \$ Amount to be charged: \$ a.											
Processing fee of \$ 130 (1618) for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + 0 TOTAL NATIONAL FEE = \$ 130 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).\$ 40 per property + 0 TOTAL FEES ENCLOSED = \$ 130 Amount to be refunded: \$ Amount to be charged: \$ a.											
earliest claimed priority date (37 CFR 1.492(i)). + 0 TOTAL NATIONAL FEE = \$ 130 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).\$ 40 per property + 0 TOTAL FEES ENCLOSED = \$ 130 Amount to be refunded: \$ Amount to be charged: \$ a.										\$ 130	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31).\$ 40 per property + 0 TOTAL FEES ENCLOSED = \$ 130 Amount to be refunded: \$ Amount to be charged: \$ a. A check in the amount of to cover the above fees is enclosed. b. Please charge my Deposit Account No. 02-4800 in the amount of \$130 to cover the above fees. A duplicate copy of this sheet is enclosed. c. of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. d. oredit card. Form PTO-2038 is attached. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716										0	
by an appropriate cover sheet (37 CFR 3.28, 3.31).\$ 40 per property TOTAL FEES ENCLOSED = \$ 130 Amount to be refunded: \$ Amount to be charged: \$ a. A check in the amount of	TOTAL									\$ 130	
TOTAL FEES ENCLOSED = \$ 130 Amount to be refunded: \$ Amount to be charged: \$ a. A check in the amount of to cover the above fees is enclosed. b. Please charge my Deposit Account No. 02-4800 in the amount of \$130 to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. Charge to credit card. Form PTO-2038 is attached. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716							gnment		•		
Amount to be refunded: \$ a. A check in the amount of to cover the above fees is enclosed. b. Please charge my Deposit Account No. 02-4800 in the amount of \$\frac{130}{5130}\$ to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. Charge to credit card. Form PTO-2038 is attached. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716											
A check in the amount of to cover the above fees is enclosed. b. Please charge my Deposit Account No. 02-4800 in the amount of \$ 130 to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. Charge to credit card. Form PTO-2038 is attached. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716	. JIAL				······································	***************************************				·	-
a. A check in the amount of to cover the above fees is enclosed. b. Please charge my Deposit Account No. 02-4800 in the amount of \$ 130 to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. Charge to credit card. Form PTO-2038 is attached. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716											
b. Please charge my Deposit Account No. 02-4800 in the amount of \$\frac{130}{130}\$ to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. Charge		·							Amoun	t to be charged:	\$
b. Please charge my Deposit Account No. 02-4800 in the amount of \$\\$130\$ to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. Charge	а. П	A check i	in the	amount	of	to cover the	above	e fees is en	closed		
of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. Charge										e above fees. A d	uplicate copy
overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed. d. Charge	D. 🔼	of this sh	eet i	s enclose	d.						
d. Charge to credit card. Form PTO-2038 is attached. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any										
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716											
(b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716											
Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716											
Customer No 21839 P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716)	
P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716	SEND ALL CORRESPONDENCE TO:							AMY 4/	1		
Alexandria, VA 22313-1404 703 836 6620 Norman H. Stepno 22716									7 /		· · · · · · · · · · · · · · · · · · ·
703 836 6620 Norman H. Stepno 22716	1		212	-1404					Segui C		
N	i		.010-	1707			Norm	an H. Steni	10		22716
Date. September 9, 2000	Date: September 9, 2008								• •	REGI	STRATION NO.